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U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
WASHINGTON
JANUARY 3, 1939

Letter
Circular
LC-541

Information Section
National Bureau of Standards
Washington, D. C.

CLASSIFICATION OF ACOUSTIC MATERIALS

The following compilation of acoustic materials has been prepared to assist in the determination of the acceptability of materials which may be proposed to be furnished under Federal Specifications Nos. SS-P-391, SS-P-686, and SS-T-302. These may be obtained from the Government Printing Office, Washington, D. C., for 5 cents each. The inclusion of a material in this list should not be construed as a general approval of this material. The compilation is based upon the sound absorption coefficients given in Letter Circular LC-539, dated December 21, 1938. It includes some materials which are not covered by the Federal Specifications, and others which do not meet all of their requirements.

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Mounting:

1. Cemented to gypsum wall board. This is considered equivalent to cementing to plaster or masonry.
2. Nailed on 13/16" x 2" furring 12" o.c. unless otherwise indicated.
3. Metal supports attached to 13/16" x 2" wood furring.
4. Laid directly on laboratory floor. As a rule the results obtained this way are the same as when the tile is cemented to gypsum wall board.
5. Nailed on 2 x 4's 12" o.c. unless otherwise indicated.
6. Cemented to the floor of the reverberation chamber.
7. Back of sample covered with concrete.
8. Attached to metal suspension system. 4" air space back of tile.
9. Acoustic tile nailed to 13/16" x 2" furring 18" o.c. Space between furring filled with Rockwool.
10. Laid on 2 x 8's, 12" o.c.
11. Laid on 24 gauge sheet iron, nailed to 13/16" x 2" furring 24" o.c.
12. Clipped at corners to 5/8" x 1 3/8" metal furring 12" o.c. Furring was clipped to 1 1/2" channels which were 3'6" o.c.

Fire Resistance:

c. Combustible, as defined in Federal Specification SS-T-302.
s. Slow burning, as defined in Federal Specification SS-T-302.
r. Fire retardant, as defined in Federal Specification SS-T-302.
i. Incombustible, as defined in Federal Specification SS-T-302.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS A (.90 and over)				
SS-T-302	III	A	Absorbex Type A	The Celotex Corporation	9	2.6	r
SS-T-302	III	A	Absorbex Type F (8 gauge) 2" thick	" " "	7	4.7	r
SS-T-302	I	A	Acousti-Celotex Type C6**	" " "	4	1.44	c
SS-T-302	I	A	Acousti-Celotex Type C4**	" " "	1	1.58	c
SS-T-302	I	A	Acousti-Celotex Type C4**	" " "	8	1.44	c
SS-T-302	I	A	Acousti-Celotex Type C4, slow burning**	" " "	1	1.80	s
SS-T-302	I	A	Acousti-Celotex Type M3	" " "	1	2.58	i
SS-T-686	I	A	Akoustolith Tile Grade C, 4" thick	R. Guastavino Company	4	19.5	i
SS-T-686	I	A	Akoustolith Tile Grade C, 5" thick	" " "	4	24.4	i
SS-T-686	I	A	Akoustolith Tile Grade C, 5" thick (not nailed)	" " "	5	24.4	i
SS-T-686	I	A	Akoustolith Tile Grade C, 5" thick	" " "	10	24.4	i
SS-T-686	I	A	Akoustolith Tile Grade D, 4" thick	" " "	4	18.8	i
SS-T-686	II	A	Calicel Acoustile, 1¼" thick	The Celotex Corporation	1	3.42	i
-	-	A	Corning Glass Mineral Wool Acoustic Blankets, 3" thick	Corning Glass Company	4	1.07	-
SS-T-302	I	A	Sanacoustic, pad plus metal facing, pad supports & furring, 2½" thick	Johns-Manville Sales Corp.	3	1.2 (pad)	i
SS-T-302	I	A	U. S. Gypsum Metal Tile, Rockwool pad	U. S. Gypsum Company	4	1.03 (pad)	i
			Sound Absorption Coefficients (at 512 cycles per second) CLASS B (.85 to .89)				
SS-T-302	II	B	Acoustone Type D, 1" thick	U. S. Gypsum Company	1	1.73	r
SS-T-302	II	B	Acoustone Type W, 1" thick	" " " "	1	1.35	-
SS-P-686	I	B	Akoustolith Tile, Grade B-2, 2" thick	R. Guastavino Company	4	8.5	i
SS-P-686	II	B	Calicel Acoustic Tile, 1" thick	The Celotex Corporation	5	2.66	i
SS-P-686	I	B	Calistone, 2" thick	" " "	4	9.3	i

** Coefficient of sound absorption at 2048 cycles less than 3/4 of the coefficient at 512 cycles.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS B (.85 to .89) Cont'd				
-	-	B	Corning Glass Mineral Wool Acoustic Blankets, 2" thick	Corning Glass Company	4	.72	-
-	-	B	Sound Isolation Blanket (Rockwool)	Johns-Manville Sales Corp.	4	1.5	-
SS-T-302	III	B	Soundex, 1" thick	Wilson & Company, Inc.	9	2.06	r
			Sound Absorption Coefficients (at 512 cycles per second) CLASS C (.80 to .84)				
SS-T-302	III	C	Absorbex Type A on 1" Absorbex Type F (10 gauge)	The Celotex Corporation	4	-	r
SS-T-302	III	C	Absorbex Type A, kerfed, 1" thick	" " "	2	2.7	r
SS-P-686	I	C	Calistone, 5" thick	" " "	4	22.4	i
-	-	C	Felt, 1" thick	The Felters Company	4	.96	c
SS-P-686	II	C	Muffletone, 1" thick, Standard Finish	American Gypsum Company	1	1.83	i
SS-T-302	I	C	Mutetile (2" Rockwool)	Acoustical Corp. of America	4	-	i
SS-T-302	II	C	Permacoustic, 1" thick	Johns-Manville Sales Corp.	1	2.33	i
SS-T-302	III	C	Soundex, 1 1/8" thick	Wilson & Company, Inc.	10	2.36	r
			Sound Absorption Coefficients (at 512 cycles per second) CLASS D (.75 to .79)				
SS-T-302	I	D	Acousti-Celotex Type C5*	The Celotex Corporation	2	.86	c
SS-T-302	I	D	Acousti-Celotex Type C3	" " "	1	1.11	c
SS-T-302	III	D	Acoustex Type 60R(1)	National Gypsum Company	2	2.07	r
SS-T-302	II	D	Acoustone Type D, 7/8" thick	U. S. Gypsum Company	1	1.52	r
SS-P-686	I	D	Akoustolith Tile Grade B-1, 1¼" thick	R. Guastavino Company	5	5.8	i
SS-P-686	I	D	Akoustolith Tile Grade C, 4" thick	" " "	10	19.5	i
SS-P-686	I	D	Basalt Rock, Type A, 5" thick	Basalt Rock Company	4	25.2	i
SS-P-686	II	D	Calicel Acoustic Tile, 1¼" thick	The Celotex Corporation	5	3.42	i
-	-	D	Corning Glass Mineral Wool Acoustic Blankets, 1" thick	Corning Glass Company	4	.44	-
SS-P-686	II	D	Muffletone, Standard Finish, 1" thick	American Gypsum Co.	1	1.84	i

* Coefficient of sound absorption at 128 cycles less than 1/8 of the coefficient at 512 cycles.

(1) This is sold by Johns-Manville Sales Corporation under the trade name of Fibretex.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS D (.75 to .79) Cont'd				
SS-T-302	I	D	Nodin Type B, 1" thick	Norristown Magnesia & Asbestos Co.	1	1.71	-
SS-T-302	I	D	Nodin Type B, 1" thick	" " "	12	1.54	-
SS-T-302	IV	D	Quietile Type 80*	U. S. Gypsum Company	4	0.81	c
SS-P-686	I	D	Sphinxstone	The Sphinx Acoustical Co.	4	-	i
SS-T-302	I	D	Transite Acoustical Unit	Johns-Manville Sales Corp.	4	3.0	i
			Sound Absorption Coefficients (at 512 cycles per second) CLASS E (.70 to .74)				
SS-T-302	III	E	Acoustex Type 50R, 7/8" thick(1)	National Gypsum Co.	2	1.79	r
SS-T-302	I	E	Acousti-Celotex Type C2, 11/16" thick	The Celotex Corporation	1	.88	c
SS-T-302	II	E	Acoustone Type D, 3/4" thick	U. S. Gypsum Company	1	1.26	r
SS-P-686	I	E	Akoustolith Tile Grade D, 4" thick	R. Guastavino Company	10	18.8	i
SS-T-302	IV	E	Air-Acoustic Sheets, 1" thick	Johns-Manville Sales Corp.	11	1.51	-
SS-P-686	II	E	Calicel Acoustic Tile, 1" thick	The Celotex Corporation	1	2.66	i
SS-P-686	I	E	Calistone	" " "	5	9.3	i
SS-T-302	II	E	Corkoustic Tile * **	Armstrong Cork & Insulation Company	1	.83	s
SS-P-686	II	E	Kalite, 2" thick, cast on 1/4" backing of moulding plaster, Grade A(coarse)	Certain-teed Products Corp.	4	-	i
SS-P-686	II	E	Muffletone, Travertine Finish, 1" thick, unpainted	American Gypsum Company	1	1.96	i
SS-T-302	II	E	Rockoustile, 1" thick	Johns-Manville Sales Corp.	1	1.3	-
SS-T-302	IV	E	Studio Element, 1" thick	" " " "	4	1.47	-

*Coefficient of sound absorption at 128 cycles less than 1/8 of the coefficient at 512 cycles.
**Coefficient of sound absorption at 2048 cycles less than 3/4 of the coefficient at 512 cycles.
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ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS F (.65 to .69)				
SS-T-302	III	F	Absorbex Type C (14 gauge)	The Celotex Corporation	2	-	r
SS-T-302	I	F	Acousti-Celotex Type C3	" " "	8	1.09	c
SS-T-302	I	F	Acousti-Celotex Type C3, slow burning	" " "	1	1.35	s
SS-T-302	I	F	Acousti-Celotex Type C3, slow burning	" " "	8	1.06	s
SS-T-302	I	F	Acousti-Celotex Type M1	" " "	1	1.23	i
SS-T-302	I	F	Acousti-Celotex Type C2, slow burning	" " "	1	.89	s
SS-P-686	I	F	Akoustolith Tile Grade B-2, 1½" thick	R. Guastavino Company	4	6.1	i
SS-P-686	I	F	Akoustolith Tile Grade B-1, 2" thick	" " "	5	9.4	i
-	-	F	Cabots Quilt**	Samuel Cabot, Inc.	4	.41	-
SS-P-686	II	F	Muffletone, 3/4" thick, Standard Finish	American Gypsum Company	1	1.62	i
SS-T-302	IV	F	Hawaiian Cane Tile	Hawaiian Cane Products Co.	1	0.75	c
SS-T-302	II	F	Kenkoustic, 1½" thick	David E. Kennedy, Inc.	1	.88	s
SS-T-302	II	F	Permacoustic, 1" thick	Johns-Manville Sales Corp.	5	2.33	i
SS-T-302	II	F	Rockoustile, 7/8" thick	" " " "	1	-	-
-	-	F	Softone Tile, 1" thick*	Sound Control Corporation	1	1.40	-
-	-	F	Thermofil	U. S. Gypsum Company	4	-	-
			Sound Absorption Coefficients (at 512 cycles per second) CLASS G (.60 to .64)				
SS-T-302	III	G	Acoustex Type 40R, 3/4" thick (1)	National Gypsum Company	2	1.54	r
SS-T-302	I	G	Acousti-Celotex Type C5 (Unpainted)	The Celotex Corporation	1	-	c
SS-T-302	I	G	Acousti-Celotex Type C5 (Painted)	" " "	1	-	c
SS-T-302	I	G	Acousti-Celotex Type C2	" " "	2	.88	c
SS-T-302	IV	G	Acousti-Celotex Type MU-1	" " "	1	1.39	i
SS-P-686	II	G	Calicel Acoustic Tile, 3/4" thick*	" " "	1	-	i
SS-P-686	I	G	Calistone, 4" thick	" " "	4	17.8	i

*Coefficient of sound absorption at 128 cycles less than 1/8 of the coefficient at 512 cycles.

**Coefficient of sound absorption at 2048 cycles less than 3/4 of the coefficient at 512 cycles.

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ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS G (.60 to .64) Cont'd				
SS-P-686	II	G	Ceramacoustic Tile (Unpainted)	Armstrong Cork & Insulation Company	1	3.4	i
SS-P-686	II	G	Ceramacoustic Tile (Painted)	" " " "	1	3.4	i
SS-P-686	II	G	Kalite, $1\frac{1}{2}$" thick, cast on $\frac{1}{4}$" backing of moulding plaster, Grade A (coarse)	Certain-teed Products Corp.	4	-	i
-	-	G	Krexstone (Balsam Wool)	Wood Conversion Company	6	0.83	c
SS-T-302	IV	G	Maizewood Tile (Unpainted)	Maizewood Products Corp.	4	2.1	c
SS-T-302	IV	G	Maizewood Tile (Painted)	" " "	4	2.1	c
SS-T-302	III	G	Soundex, 2" thick (Unpainted)	Wilson & Company, Inc.	2	2.06	r
SS-T-302	III	G	Soundex, 2" thick (Spray painted 2 coats)	" " " "	2	2.06	r
			Sound Absorption Coefficients (at 512 cycles per second) CLASS H (.55 to .59)				
SS-T-302	III	H	Acoustex Type 30R, 5/8" thick (1)	National Gypsum Company	2	1.34	r
SS-T-302	III	H	Acoustex Type 60R, 1" thick (1)	" " "	1	-	r
SS-P-686	I	H	Akoustolith Tile, Grade D, 2" thick	R. Guastavino Company	4	-	i
-	-	H	Balsam Wool	Wood Conversion Company	4	.29	c
-	-	H	Corinco Corkbestos, $1\frac{1}{2}$" thick	Cork Insulation Company	2	1.12	-
SS-P-686	II	H	Kalite, $1\frac{1}{2}$" thick, cast on $\frac{1}{4}$" backing of moulding plaster, grade D (Fine)	Certain-teed Products Corp.	4	-	i
SS-P-686	II	H	Kalite, 2" thick, cast on $\frac{1}{4}$" backing of moulding plaster, Grade D (Fine)	" " " "	4	-	i
-	-	H	Lusco Hair Felt*	Luse Stevenson Company	4	-	s
-	-	H	Nashkote A, 1" thick, membrane perforated with fine holes after painting	Johns-Manville Sales Corp.	1	-	-

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ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS I (.50 to .54)				
SS-P-686	I	I	Akoustolith Tile, Grade C, 2" thick	R. Guastavino Company	4	10.1	i
SS-T-302	II	I	Acoustone Type D, ½" thick	U. S. Gypsum Company	1	.76	r
SS-T-302	IV	I	Air-Acoustic Sheets, ½" thick	Johns-Manville Sales Corp.	11	.80	-
SS-T-302	II	I	Corinco Acousticator, 1½" thick	Cork Insulation Company	1	1.20	s
SS-T-302	IV	I	Insulite Acoustile Type 44	The Insulite Company	4	1.47	c
-	-	I	Nashkote A, 3/4" thick, membrane perforated with fine holes after painting.	Johns-Manville Sales Corp.	1	-	-
			Sound Absorption Coefficients (at 512 cycles per second) CLASS J (.45 to .49)				
SS-T-302	III	J	Absorbex Type A	The Celotex Corporation	1	2.5	r
SS-T-302	III	J	Absorbex Type F (10 gauge)	" " "	2	-	r
SS-T-302	I	J	Acousti-Celotex Type C1	" " "	1	.78	c
SS-P-686	I	J	Akoustolith Tile Grade B-2, 1" thick	R. Guastavino Company	4	4.6	i
SS-P-686	II	J	Kalite, 1" thick, cast on ¼" backing of moulding plaster, Grade D (Fine)	Certain-teed Products Corp.	4	-	i
SS-P-686	II	J	Trutone Tile, 7/8" thick, cast on ¼" gypsum wall board	Acoustone Company, Ltd.	4	-	i
			Sound Absorption Coefficients (at 512 cycles per second) CLASS K (.40 to .44)				
SS-T-302	I	K	Acousti-Celotex Type C1, slow burning	The Celotex Corporation	1	.88	s
SS-P-686	I	K	Akoustolith Tile, Grade C, 1½" thick	R. Guastavino Company	4	7.5	i
SS-T-302	IV	K	Hawaiian Cane Tile	Hawaiian Cane Products Co.	2	.81	c
SS-P-686	II	K	Kalite, cast on ¼" backing of Moulding plaster, Grade A (coarse)	Certain-teed Products Corp.	4	-	i
SS-T-302	III	K	Kencoustex, 1" thick	David E. Kennedy, Inc.	1	1.46	r
-	-	K	Nashkote A, ½" thick (perforated with fine holes after painting)	Johns-Manville Sales Corp.	1	-	-
SS-T-302	IV	K	Red Top Acoustic Tile	U. S. Gypsum Company	1	0.55	c

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Sound Absorption Coefficients (at 512 cycles per second) CLASS L (.35 to .39)				
SS-T-302	III	L	Acoustex Type 40R, 3/4" thick (1)	National Gypsum Company	1	1.75	r
SS-T-302	II	L	Corinco Acousticator, 1½" thick	Cork Insulation Company	2	1.07	s
SS-T-302	IV	L	Nuwood Bevel Lap Tile, 1" thick	Wood Conversion Company	6	1.41	c
SS-T-302	IV	L	Temlock DeLuxe, ½" thick	Armstrong Cork & Insulation Company.	4	1.18	c
SS-T-302	IV	L	Temlock DeLuxe, 7/8" thick	" " " "	4	1.19	c
SS-T-302	IV	L	Temlock DeLuxe, 1 3/8" thick	" " " "	4	1.65	c
			Sound Absorption Coefficients (at 512 cycles per second) CLASS M (.30 to .34)				
SS-T-302	III	M	Absorbex Type C (14 gauge) 1" thick	The Celotex Corporation	4	-	r
SS-T-302	IV	M	Acoustolic (Maftex) ½" thick	National Gypsum Company	5	-	c
SS-T-302	IV	M	Acoustolic (Painted with cold water paint)	" " "	5	-	c
SS-P-686	II	M	Kenkoustone 1" thick	David E. Kennedy, Inc.	1	2.34	-
-	-	M	Nashkote A, 1" thick, painted 2 coats	Johns-Manville Sales Corp.	1	-	-
SS-T-302	IV	M	Nuwood Bevel Lap Tile	Wood Conversion Co.	6	0.69	c
			Sound Absorption Coefficients (at 512 cycles per second) CLASS N (.25 to .29)				
SS-T-302	IV	N	Acoustolic, ½" thick (Tinted with water soluble aniline color)	National Gypsum Company	5	-	c
SS-P-686	I	N	Akoustolith Tile, Grade D, 1" thick	R. Guastavino Company	4	-	i
-	-	N	Nashkote A, ½" thick	Johns-Manville Sales Corp.	1	-	-
-	-	N	Nashkote A, 3/4" thick	" " " "	1	-	-
SS-T-302	IV	N	Temlock, ½" thick	Armstrong Cork & Insulation Company	5	-	c

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ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Noise Coefficients, CLASS Q (.85 or .90)				
SS-P-686	I	Q	Akoustolith Tile, Grade C, 5" thick	R. Guastavino Company	4	24.4	i
SS-P-686	I	Q	Akoustolith Tile, Grade C, 5" thick	" " "	5	24.4	i
SS-P-686	I	Q	Akoustolith Tile, Grade C, 5" thick	" " "	10	24.4	i
SS-P-686	II	Q	Calicel Acoustic Tile, 1" thick	The Celotex Corporation	5	2.66	i
SS-P-686	II	Q	Calicel Acoustic Tile, 1¼" thick	" " "	5	3.42	i
-	-	Q	Corning Glass Mineral Wool Acoustic Blankets, 3" thick	Corning Glass Company	4	1.07	-
SS-T-302	III	Q	Soundex, 1 1/8" thick	Wilson & Company, Inc.	10	2.36	r
			Noise Coefficients, CLASS R (.75 or .80)				
SS-T-302	III	R	Absorbex Type A on 1" Absorbex Type F (10 gauge), 2" thick	The Celotex Corporation	4	-	r
SS-T-302	III	R	Absorbex Type A, 1" thick	" " "	9	2.6	r
SS-T-302	III	R	Absorbex Type F, (8 gauge), 2" thick	" " "	7	4.7	r
SS-T-302	I	R	Acousti-Celotex, Type C5	" " "	2	.86	c
SS-T-302	I	R	Acousti-Celotex, Type C4	" " "	8	1.44	c
SS-T-302	I	R	Acousti-Celotex, Type M3	" " "	1	2.58	i
SS-T-302	II	R	Acoustone Type D	U. S. Gypsum Company	1	1.73	r
SS-T-302	II	R	Acoustone Type W, 1" thick	" " " "	1	1.35	-
SS-P-686	I	R	Akoustolith Tile Grade B-1, 2" thick	R. Guastavino Company	5	9.4	i
SS-P-686	I	R	Akoustolith Tile Grade B-1, 1¼" thick	R. Guastavino Company	5	5.8	i
SS-P-686	I	R	Akoustolith Tile Grade C, 4" thick	" " "	10	19.5	i
SS-P-686	I	R	Akoustolith Tile Grade C, 4" thick	" " "	4	19.5	i
SS-P-686	I	R	Akoustolith Tile Grade D, 4" thick	" " "	10	18.8	i
SS-P-686	I	R	Akoustolith Tile Grade D, 4" thick	" " "	4	18.8	i
SS-P-686	I	R	Basalt Rock, Type A	Basalt Rock Company	4	25.2	i
SS-P-686	II	R	Calicel Acoustic Tile, 1¼" thick	The Celotex Corporation	1	3.42	i
SS-P-686	I	R	Calistone, 2" thick	" " "	4	9.3	i
SS-P-686	I	R	Calistone, 2" thick	" " "	5	9.3	i
SS-P-686	I	R	Calistone, 5" thick	" " "	4	22.4	i

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Noise Coefficients, CLASS R (.75 or .80) Cont'd				
-	-	R	Corning Glass Mineral Wool Acoustic Blankets, 1" thick	Corning Glass Company	4	.44	-
-	-	R	Corning Glass Mineral Wool Acoustic Blankets, 2" thick	" " "	4	.72	-
SS-P-686	II	R	Muffletone, Standard Finish, 1" thick	American Gypsum Company	1	1.83	i
SS-T-302	I	R	Mutetile (2" Rockwool)	Acoustical Corp. of America	4	-	i
SS-T-302	I	R	Nodin, Type B	Norristown Magnesia & Asbestos Co.	1	1.71	-
SS-T-302	I	R	Nodin, Type B, painted	" " "	12	1.54	-
SS-T-302	II	R	Permacoustic, 1" thick	Johns-Manville Sales Corp.	5	2.33	i
SS-T-302	II	R	Permacoustic, 1" thick	" " " "	1	2.33	i
SS-T-302	I	R	Sanacoustic, pad plus metal facing, pad supports & furring, 2½" thick	" " " "	3	1.2(Pad)	i
-	-	R	Sound Isolation Blanket (Rockwool)	" " " "	4	1.5	-
SS-T-302	III	R	Soundex, 1" thick	Wilson & Company, Inc.	9	2.04	r
SS-T-302	I	R	U. S. Gypsum Metal Tile (Rockwool Pad)	U. S. Gypsum Company	4	1.03(Pad)	i
			Noise Coefficients, CLASS S (.65 or .70)				
SS-T-302	III	S	Absorbex Type A (kerfed)	The Celotex Corporation	2	2.7	r
SS-T-302	III	S	Acoustex Type 30R, 5/8" thick (1)	National Gypsum Company	2	1.34	r
SS-T-302	III	S	Acoustex Type 40R, 3/4" thick (1)	" " "	2	1.54	r
SS-T-302	III	S	Acoustex Type 50R, 7/8" thick (1)	" " "	2	1.79	r
SS-T-302	III	S	Acoustex Type 60R (1"+ 3" furring) (1)	" " "	2	2.07	r
SS-T-302	III	S	Acoustex Type 60R (1)	" " "	1	-	r
SS-T-302	I	S	Acousti-Celotex, Type C5	The Celotex Corporation	1	-	c
SS-T-302	I	S	Acousti-Celotex, Type C6	" " "	4	1.44	c
SS-T-302	I	S	Acousti-Celotex, Type C2	" " "	2	.88	c

(1) This is sold by Johns-Manville Sales Corporation under the trade name of Fibretex.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Noise Coefficients, CLASS S (.65 or .70) Cont'd				
SS-T-302	I	S	Acousti-Celotex, Type C3	The Celotex Corporation	1	1.11	c
SS-T-302	I	S	Acousti-Celotex, Type C3	" " "	8	1.09	c
SS-T-302	I	S	Acousti-Celotex, Type C3, slow burning	" " "	8	1.06	s
SS-T-302	I	S	Acousti-Celotex, Type C4	" " "	1	1.58	c
SS-T-302	I	S	Acousti-Celotex, Type C4, slow burning	" " "	1	1.80	s
SS-T-302	I	S	Acousti-Celotex, Type M1	" " "	1	1.23	i
SS-T-302	II	S	Acoustone Type D, 3/4" thick	United States Gypsum Company	1	1.26	r
SS-T-302	II	S	Acoustone Type D, 7/8" thick	" " " "	1	1.52	r
SS-T-302	IV	S	Air-Acoustic Sheets, 1" thick	Johns-Manville Sales Corp.	11	1.51	-
SS-P-686	I	S	Akoustolith Tile, Grade B-2, 1½" thick	R. Guastavino Company	4	6.1	i
SS-P-686	I	S	Akoustolith Tile, Grade B-2, 2" thick	" " "	4	8.5	i
SS-P-686	II	S	Calicel Acoustic Tile, 1" thick	The Celotex Corporation	1	2.66	i
-	-	S	Felt	The Felters Co.	4	.96	c
SS-T-302	IV	S	Hawaiian Cane Tile	Hawaiian Cane Products Co.	1	0.75	c
SS-P-686	II	S	Kalite, 2" thick, cast on 1/4" backing of moulding plaster, Grade A (coarse).	Certain-teed Products Corp.	4	-	i
SS-T-302	IV	S	Maizewood Tile	Maizewood Products Company	4	2.1	c
SS-P-686	II	S	Muffletone, Standard Finish, 1" thick	American Gypsum Company	1	1.84	i
SS-P-686	II	S	Muffletone, Travertine Finish, 1" thick	" " "	1	1.96	i
SS-T-302	I	S	Nodin	Norristown Magnesia & Asbestos Co.	12	1.54	-
SS-T-302	IV	S	Quietile Type 80	U. S. Gypsum Company	4	0.81	c
SS-T-302	III	S	Soundex, 1" thick	Wilson & Company, Inc.	2	2.06	r
SS-T-302	I	S	Sphinxstone	The Sphinx Acoustical Corp.	4	-	i
SS-T-302	IV	S	Studio Element	Johns-Manville Sales Corp.	4	1.47	-
SS-T-302	I	S	Transite Acoustical Unit	" " " "	4	3.0	i

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Noise Coefficients, CLASS T (.55 or .60)				
SS-T-302	III	T	Absorbex Type A	The Celotex Corporation	1	2.5	r
SS-T-302	III	T	Absorbex Type C (14 gauge)	" " "	2	-	r
SS-T-302	I	T	Acousti-Celotex Type C2, slow burning	" " "	1	.89	s
SS-T-302	IV	T	Acousti-Celotex Type MU-1, ½" thick	" " "	1	1.39	i
SS-T-302	I	T	Acousti-Celotex Type C5	" " "	1	-	c
SS-T-302	I	T	Acousti-Celotex Type C2	" " "	1	.88	c
SS-T-302	I	T	Acousti-Celotex Type C3, slow burning	" " "	1	1.35	s
SS-T-302	II	T	Acoustone Type D, 1/2" thick	U. S. Gypsum Co.	1	.76	r
SS-T-302	IV	T	Air-Acoustic Sheets, 1/2" thick	Johns-Manville Sales Corp.	11	.80	-
SS-P-686	I	T	Akoustolith Tile, Grade D, 2" thick	R. Guastavino Company	4	-	i
SS-P-686	I	T	Akoustolith Tile, Grade C, 2" thick	" " "	4	10.1	i
SS-P-686	I	T	Akoustolith Tile, Grade B-2, 1" thick	" " "	4	4.6	i
-	-	T	Balsam Wool	Wood Conversion Company	4	.29	c
-	-	T	Cabots Quilt	Samuel Cabot, Inc.	4	.41	-
SS-P-686	II	T	Calicel Acoustic Tile, 3/4" thick	The Celotex Corporation	1	-	i
SS-P-686	I	T	Calistone, 4" thick	" " "	4	17.8	i
SS-P-686	II	T	Ceramacoustic Tile (Unpainted)	Armstrong Cork & Insulation Company	1	3.4	i
SS-T-302	II	T	Corinco Corkbestos	Cork Insulation Company	2	1.12	s
SS-T-302	IV	T	Hawaiian Cane Tile	Hawaiian Cane Products Co.	2	.81	c
SS-T-302	IV	T	Insulite Acoustile Type 44	The Insulite Company	4	1.47	c
SS-P-686	II	T	Kalite, cast on ¼" backing of moulding plaster, Grade D(Fine), 1½" thick	Certain-teed Products Corp.	4	-	i
SS-P-686	II	T	Kalite, Grade A (Coarse), 1½" thick	" " " "	4	-	i
SS-P-686	II	T	Kalite, Grade D (Fine), 2" thick	" " " "	4	-	i
-	-	T	Krexstone Tile (Balsam Wool)	Wood Conversion Company	6	0.83	c
-	-	T	Lusco Hair Felt	Luse Stevenson Company	4	-	s
SS-P-686	II	T	Mufflotone, 3/4" thick, Unpainted	American Gypsum Company	1	1.62	i
SS-T-302	IV	T	Maizewood Tile, painted	Maizewood Products Corp.	4	2.1	c

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Noise Coefficients, CLASS T (.55 or .60) Cont'd				
SS-P-686	II	T	Trutone Tile	Acoustone Co. Ltd.	4	-	i
SS-T-302	II	T	Rockoustile, 1" thick	Johns-Manville Sales Corp.	1	1.3	-
SS-T-302	II	T	Rockoustile, 7/8" thick	" " " "	1	-	-
-	-	T	Softone Tile, 1" thick	Sound Control Corp.	1	1.40	-
			Noise Coefficients, CLASS U (.45 or .50)				
SS-T-302	III	U	Absorbex Type C, 1" thick	The Celotex Corporation	4	-	r
SS-T-302	III	U	Absorbex Type F (10 gauge), 1" thick	" " "	2	-	r
SS-T-302	III	U	Acoustex Type 40R, 3/4" thick (1)	National Gypsum Company	1	1.75	r
SS-T-302	I	U	Acousti-Celotex Type C1	The Celotex Corporation	1	.78	c
SS-P-686	I	U	Akoustolith Tile, Grade C, 1½" thick	R. Guastavino Company	4	7.5	i
SS-T-302	II	U	Corkoustic Tile	Armstrong Cork & Insulation Company	1	.83	s
SS-P-686	II	U	Kalite, cast on ¼" backing of moulding plaster, Grade D (Fine), 1" thick	Certain-teed Products Corporation	4	-	i
SS-P-686	II	U	Kalite, cast on ¼" backing of moulding plaster, Grade A (Coarse), 1" thick	" " "	4	-	i
SS-T-302	II	U	Kenkoustic (cork) 1½" thick	David E. Kennedy, Inc.	1	.88	s
SS-T-302	III	U	Kencoustex, 1" thick	" " " "	1	1.46	r

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ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lb) sq ft	Fire Resistance
			Noise Coefficients, CLASS V (.35 or .40)				
SS-T-302	I	V	Acousti-Celotex Type C1, slow burning	The Celotex Corporation	1	.88	s
SS-T-302	IV	V	Acoustolic (Maftex) Unpainted	National Gypsum Company	5	-	c
SS-P-686	I	V	Akoustolith Tile, Grade D, 1" thick	R. Guastavino Company	4	-	i
SS-T-302	II	V	Corinco Acousticator, 1½" thick	Cork Insulation Co., Inc.	1	1.20	s
SS-T-302	II	V	Corinco Acousticator, 1⅓" thick	" " " "	2	1.07	s
SS-T-302	IV	V	Nuwood Bevel Lap Tile, 1" thick	Wood Conversion Company	6	1.41	c
SS-T-302	IV	V	Red Top Acoustic Tile, ½" thick	U. S. Gypsum Company	1	0.55	c
SS-T-302	IV	V	Temlock DeLuxe, 7/8" thick	Armstrong Cork & Insulation Company	4	1.19	c
SS-T-302	IV	V	Temlock DeLuxe, 1 3/8" thick	" " " "	4	1.65	c
			Noise Coefficients, CLASS W (.25 or .30)				
-	-	W	Nashkote A, 3/4" thick	Johns-Manville Sales Corp.	1	-	-
-	-	W	Nashkote A, 1" thick	" " " "	1	-	-
SS-T-302	IV	W	Nuwood Bevel Lap Tile, ½" thick	Wood Conversion Company	6	0.69	c
SS-T-302	IV	W	Temlock	Armstrong Cork & Insulation Company	5	-	c
SS-T-302	IV	W	Temlock DeLuxe, ½" thick	" " " "	4	1.18	c

ACOUSTICAL PLASTERS

Federal Specification	Class	Material	Manufacturer	Thickness
		Sound Absorption Coefficients (at 512 cycles per second) CLASS F (.65 to .69)		
SS-P-391	F	Macoustic Plaster, trowel finish	National Gypsum Co.	3/4"
SS-P-391	F	Stuccostic Plaster Type A.D.	California Stucco Products of New England, Inc.	3/4"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS G (.60 to .64)		
SS-P-391	G	Kalite H, Coarse Aggregate	Certain-teed Products Corp.	3/4"
SS-P-391	G	Old Newark Acoustic Plaster	Newark Plaster Co.	3/4"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS H (.55 to .59)		
SS-P-391	H	Sabinite Plaster A	U. S. Gypsum Company	3/4"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS I (.50 to .54)		
SS-P-391	I	Hushkote Acoustic Plaster	Cleveland Gypsum Supply Co.	5/8"
SS-P-391	I	Macoustic Plaster, trowel finish	National Gypsum Co.	1/2"
SS-P-391	I	Reverbolite (Regular)	American Gypsum Co.	1/2"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS J (.45 to .49)		
SS-P-391	J	Hushkote Acoustic Plaster	Cleveland Gypsum Co.	1/2"
SS-P-391	J	Hushkote Acoustic Plaster	" " "	3/4"
SS-P-391	J	Kalite H, Coarse Aggregate	Certain-teed Products Corp.	1/2"
SS-P-391	J	Super-Acoustic Plaster	Gypsum Insulation & Mfg. Co.	1/2"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS K (.40 to .44)		
SS-P-391	K	Calacoustic Plaster	Pacific Portland Cement Co.	1/2"
SS-P-391	K	Macoustic Plaster (trowel finish)	National Gypsum Co.	1/2"
SS-P-391	K	Old Newark Acoustic Plaster	Newark Plaster Co.	1/2"
SS-P-391	K	Reverbolite (pumice aggregate)	American Gypsum Company	1/2"
SS-P-391	K	Sabinite Plaster F	U. S. Gypsum Company	1/2"

ACOUSTICAL PLASTERS

Federal Specification	Class	Material	Manufacturer	Thickness
		Sound Absorption Coefficients (at 512 cycles per second) CLASS L (.35 to .39)		
SS-P-391	L	Akoustolith Plaster	R. Guastavino Company	3/4"
SS-P-391	L	Rockwall Acoustic Plaster	National Gypsum Company	1/2"
SS-P-391	L	Sabinite Plaster A	U. S. Gypsum Company	1/2"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS M (.30 to .34)		
		Sound Absorption Coefficients (at 512 cycles per second) CLASS N (.25 to .29)		
SS-P-391	N	Sabinite Plaster Hydraulic	U. S. Gypsum Company	1/2"
		Sound Absorption Coefficients (at 512 cycles per second) CLASS O (.20 to .24)		
		Sound Absorption Coefficients (at 512 cycles per second) CLASS P (Less than .20)		
SS-P-391	P	Akoustolith Plaster	R. Guastavino Company	1/4"

ACOUSTICAL PLASTERS

Federal Specification	Class	Material	Manufacturer	Thickness
		Noise Coefficients, CLASS T (.55 or .60)		
SS-P-391	T	Kalite H, Coarse Aggregate	Certain-teed Products Corp.	1/2"
SS-P-391	T	Kalite H, Coarse Aggregate	" " " "	3/4"
SS-P-391	T	Macoustic Plaster, trowel finish	National Gypsum Company	1/2"
SS-P-391	T	Macoustic Plaster, trowel finish	" " "	3/4"
SS-P-391	T	Reverbolite (Regular)	The American Gypsum Company	1/2"
SS-P-391	T	Old Newark Acoustic Plaster	Newark Plaster Company	3/4"
SS-P-391	T	Sabinite Plaster A	U. S. Gypsum Company	1/2"
SS-P-391	T	Sabinite Plaster A	" " " "	3/4"
SS-P-391	T	Sabinite Plaster F	" " " "	1/2"
SS-P-391	T	Stuccostic Plaster Type A.D.	California Stucco Products of New England	3/4"
		Noise Coefficients, CLASS U (.45 or .50)		
SS-P-391	U	Akoustolith Plaster	R. Guastavino Company	3/4"
SS-P-391	U	Calacoustic Plaster	Pacific Portland Cement Co.	1/2"
SS-P-391	U	Hushkote Acoustic Plaster	Cleveland Gypsum Company	3/4"
SS-P-391	U	Hushkote Acoustic Plaster	" " "	1/2"
SS-P-391	U	Hushkote Accustic Plaster	" " "	5/8"
SS-P-391	U	Super-Acoustic Plaster	Gypsum Insulation & Mfg. Co.	1/2"
SS-P-391	U	Old Newark Acoustic Plaster	Newark Plaster Co.	1/2"
SS-P-391	U	Reverbolite (pumice aggregate)	American Gypsum Company	1/2"
SS-P-391	U	Rockwall Acoustic Plaster	National Gypsum Company	1/2"
SS-P-391	U	Kalite H, Coarse aggregate (painted)	Certain-teed Products Corp.	1/2"
		Noise Coefficients, CLASS V (.35 or .40)		
SS-P-391	V	Macoustic Plaster (trowel finish)	National Gypsum Company	1/2"
SS-P-391	V	Rockwall Acoustic Plaster	" " "	1/2"
SS-P-391	V	Sabinite Plaster (hydraulic)	U. S. Gypsum Company	1/2"
		Noise Coefficients, CLASS W (.25 or .30)		
SS-P-391	W	Akoustolith Plaster	R. Guastavino Company	1/4"